

REMARKS

Claims 1-6 are pending in the application, with claims 1-4 amended. No new matter has been added by these amendments. Support for these amendments can be found in Fig. 1 where array antenna 50-1 serves for both transmission and reception and all other array antennas are dedicated to reception. Reconsideration and withdrawal of the outstanding rejections of the instant claims are respectfully requested in view of the forgoing amendments and the following remarks.

Claims 1-6 are rejected under 35 U.S.C. § 103(a) as unpatentable over U.S. 6,492,942 to Kezys in view of U.S. Published Patent Application No. 20020190901 to Yoshida and in further view of U.S. Patent No. 6,738,020 to Lindskog. It is respectfully submitted that claims 1-6 as amended patentably distinguish over the relied upon portions of the cited references for at least the following reasons.

Initially, claims 1-6 each recite at least one array antenna that is dedicated for reception. It is submitted that the relied upon portions of Lindskog teach only array antennas which serve for both transmission and reception, and do not disclose an array antenna which is dedicated to reception only.

Next, it is respectfully submitted that Kezys teaches only one antenna for transmission and reception. The other arrays are parasitic arrays and are not connected to the transciever 14. Accordingly, it is submitted that the relied upon portion of Kezys does not teach or suggest the elements suggested by the Examiner.

Further, with respect to the reception of transmissions, according to the claimed invention the combining section receives transmissions by applying a particular set of weights selected by the weight setting section to the array antenna dedicated for reception and the reception end of

the array antenna which serves for both transmission and reception, and by combining arriving waves received at the array antennas. As for transmission, feeding section are provided individually at feed lines on the transmitting end of the array antennas for transmission and reception, when transmitting a transmission wave through the feed line, the feeding section amends the particular set of weights used at the receiving end according to the difference in frequencies between the transmission wave and the arriving wave to perform the transmission.

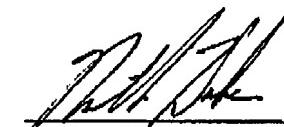
As described therein, one aspect of the present invention is to make a part of the plurality of array antennas serving for both transmission and reception and to make the rest of the array antennas dedicated for reception, while processing a set of weights applicable for both a transmitting end and a receiving end of the array antennas. It is respectfully submitted that neither Kezys, Yoshida, nor Lindskog teach or suggest such features. Accordingly, whether cited alone or in combination, it is submitted that the relied upon portions of the cited references fails to teach or suggest each and every element of the instant claims.

For at least the foregoing reasons it is respectfully submitted that independent claims 1-4 patentably distinguish over the relied upon portions of the cited references and should be found allowable. Claims 5-6, which depend from these underlying base claims should be found allowable therewith.

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,



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